

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/013281

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K14/315 C07K16/00 A61K39/00 C12N15/31 C12N15/62
C12N15/86

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07K C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 01/43769 A (ACTINOVA LTD ; BJORCK LARS (SE); WICK MARY JO (SE); LEANDERSON TOMAS () 21 June 2001 (2001-06-21)</p> <p>page 2, line 1 - line 16 page 4, line 3 - line 18 page 6, line 25 - page 7, line 2 page 3, line 10 - line 12 page 3, line 13 - line 18 page 5, line 15 - line 18 page 7, line 1 - line 13 page 7, line 22 - page 8, line 7 page 8, line 10 - line 21 page 9, line 15 - line 21 page 11, line 3 - line 12 example 5</p> <p>-----</p> <p>-/-</p>	1-9, 11, 13-18, 21-35

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- °A° document defining the general state of the art which is not considered to be of particular relevance
- °E° earlier document but published on or after the international filing date
- °L° document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- °O° document referring to an oral disclosure, use, exhibition or other means
- °P° document published prior to the international filing date but later than the priority date claimed

- °T° later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- °X° document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- °Y° document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- °&° document member of the same patent family

Date of the actual completion of the international search

18 November 2004

Date of mailing of the international search report

09/12/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/08263 A (BOULANGER PIERRE ALAIN ; GARDNER REBECCA (GB); GOT A GENE AB (SE); LIN) 31 January 2002 (2002-01-31) page 23, line 12 - page 25, line 28 claims 16,18 abstract -----	1,2,11, 19,36
X	WO 99/15563 A (KOENTGEN FRANK ; AMRAD OPERATIONS PTY LTD (AU); SUESS GABRIELE MARIA () 1 April 1999 (1999-04-01) page 14, line 18 - page 15, line 10 page 22, line 9 - line 14 page 17, line 18 - line 26 abstract -----	1-3, 7-10,13, 14,16, 22,24,33
A	WO 93/22342 A (SJOEBRING ULF ; BJOERCK LARS (SE); HIGTECH RECEPTOR AB (SE)) 11 November 1993 (1993-11-11) the whole document -----	1-36

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: 22-32 because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 22-32 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/013281

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
WO 0143769	A 21-06-2001		AU 2199301 A CA 2394445 A1 EP 1237574 A2 WO 0143769 A2 JP 2003517021 T US 2003017168 A1	25-06-2001 21-06-2001 11-09-2002 21-06-2001 20-05-2003 23-01-2003
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